



US Army Corps
of Engineers

FLOOD PREPAREDNESS AND RESPONSE

“A PERSPECTIVE”



US Army Corps
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Flood Preparedness and Response



Pacific
Ocean
Division





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Flood Preparedness and Response

- Floods cause death and destroy property.
- Need for Government involvement.
- Need for public involvement.



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Flood Preparedness and Response

- Flood preparedness and response is the primary responsibility of the State and local government.
- Corps of Engineers assistance is supplemental to State and local efforts.
- Supplemental assistance is for the protection of life and property.



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Flood Preparedness and Response

- **Traditional Approach**
 - **Flood Preparedness**
 - Federal Government
 - State/Local Government
 - **Flood Response**
 - Federal Government
 - State/Local Government
- **New Way – Future**



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Flood Preparedness and Response

Traditional Approach

- **Flood Preparedness – Federal Government:**
 - Public Law 84–99, basic authority to assist.
 - Trained response cadre.
 - Local agencies educated on Corps authorities and sandbagging techniques



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Flood Preparedness and Response

Traditional Approach

- **Flood Preparedness – Federal Government (continued):**
 - Sandbags and equipment maintained to assist State/Local agencies.
 - Emergency assistance contracts on the shelf.
 - Tabletop exercises/Operational Plans.



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Flood Preparedness and Response

Traditional Approach

- **Flood Preparedness – State/Local Government:**
 - Maintain flood emergency plans.
 - Maintain sandbag stockpile.
 - Maintain capability to provide for emergency contracting.



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Flood Preparedness and Response

Traditional Approach

- **Flood Preparedness – State/Local Government (continued):**
 - Maintain sound floodplain management practices.
 - Maintain a public awareness program.
 - Maintain open dialogue and conduct exercises with Federal partners.



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Flood Preparedness and Response

Traditional Approach

- **Flood Response – Federal Government Can Assist Two Ways:**
 - **U.S. Army Corps of Engineers Authority**
 - **Public Law 84–99**
 - **FEMA Authority**
 - **Public Law 93–288**



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Flood Preparedness and Response

Traditional Approach

- **U.S. Army Corps of Engineers
Authority – Public Law 84–99:**
 - Flood response assistance is supplemental.
 - Locals agencies must request assistance through State.
 - State request must come from Governor siting State/local resources



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Flood Preparedness and Response

Traditional Approach

- **Flood Response – U.S. Army Corps of Engineers (continued):**
 - Assistance can be:
 - Technical advice or assistance.
 - Providing sandbags.
 - Emergency contracting.



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Flood Preparedness and Response

Traditional Approach

- **FEMA Authority – Public Law 93–288:**
 - Presidential Declaration.
 - Assistance is supplemental.
 - Local agencies must request assistance through State.
 - State request must come from Governor citing State/local resources



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Flood Preparedness and Response

Traditional Approach

- **Flood Response – State/Local Government:**
 - Joint water control centers (State/Federal).
 - Aggressive public awareness program.
 - Monitor Federal assistance



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Flood Preparedness and Response

New Way

- Readiness 2000 (R2K)
- Planning and Response Teams
- Deployable Tactical Operations System
- Remote sensing
- Awareness



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Flood Preparedness and Response

New Way

R2K is a new way of doing business. It organizes and manages resources through a National strategy and aligns the Emergency Management community into a corporate USACE team that shares planning responsibilities and response capabilities.



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Flood Preparedness and Response

“A New Way”

Planning and Response Teams
(PRTs)





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Flood Preparedness and Response

“A New Way”

PLANNING AND RESPONSE TEAMS

NUMBER OF TEAMS

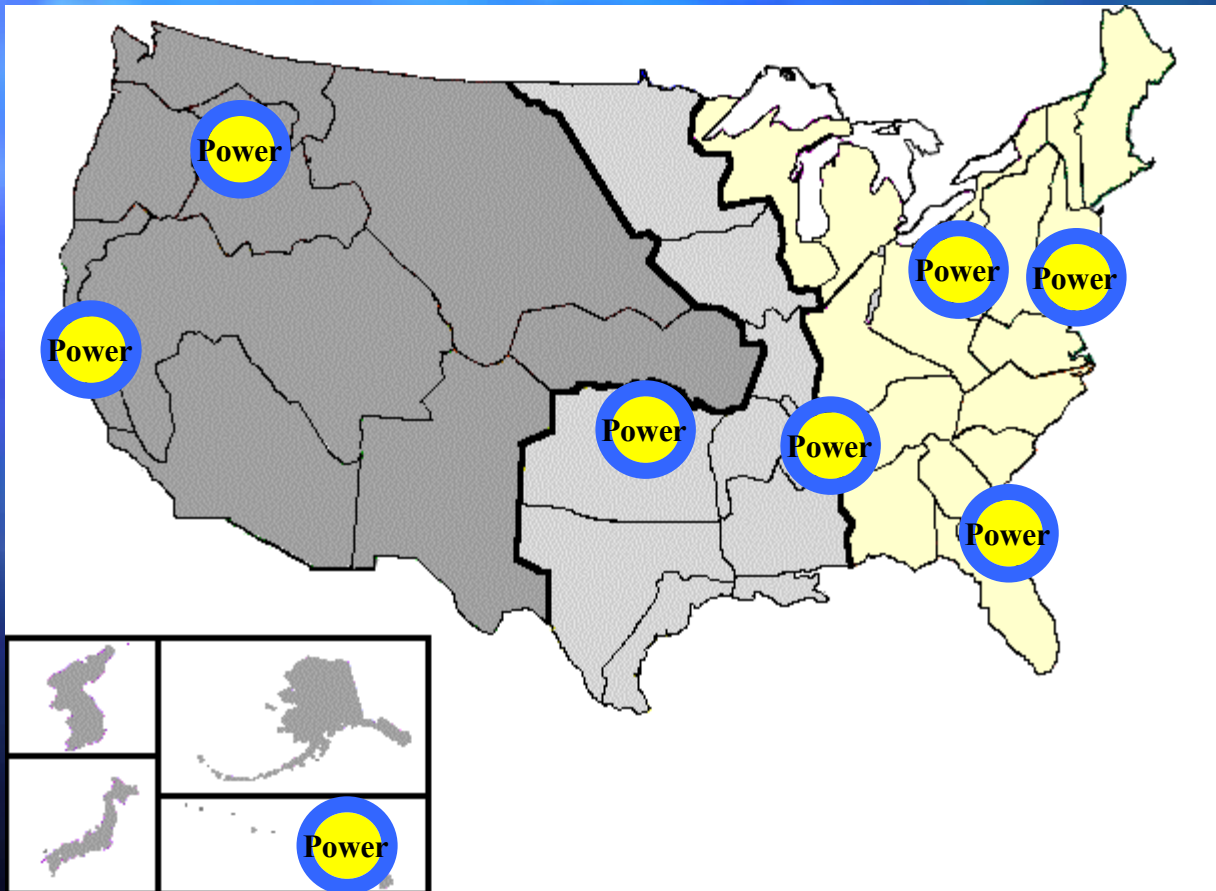
- 7 – ICE
- 7 – WATER
- 8 – EMERGENCY POWER
- 7 – DEBRIS REMOVAL – (H, E, S)
- 5 – TEMPORARY HOUSING – (H, E)
- 2 – EMERGENCY ACCESS
- 3 – TEMPORARY ROOFING
- 4 – STRUCTURAL SAFETY ASSESSMENT
- 3 – REHAB

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EMERGENCY POWER TEAMS



Districts

- Walla Walla
- Memphis
- Los Angeles
- Tulsa
- Jacksonville
- Philadelphia
- Pittsburgh
- Honolulu





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Corps Division
Outside Support

Dist-1 Water

Dist-12 - Ice

Dist-23 - Temp Housing

Dist-14 - Emergency Power

Dist-37 - Debris Removal

Response Team Concept --Example

Lead District C²
in Charge

**Disaster
Site**

Functional Teams
LERT, CREST





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Disaster Field
Office

RRRV



Supports 8 - 10
Personnel

Emergency
Response and
Recovery Office

STAGING
OPS

ETOC



Supports 15 - 20
Personnel

ECCV



Supports 8 - 10
Personnel

ETOC



Supports 15 - 20
Personnel



RRV

Supports 8 - 10
Personnel



ESSV with Generator

DTOS SYSTEM
CONFIGURATION





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Flood Preparedness and Response

- **Remote Sensing**
 - New technology being developed
 - Potential to identify weak levee sections that can be flood fought.
- **More aggressive management of preparedness activities through public awareness and better land use.**



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Flood Preparedness and Response

Q U E S T I O N S



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